

Abstract

For the controlled tempering of a casting trough (5) integrated between a supply vessel (3) for a molten metal (2). made of copper or a copper alloy, and at least one continuous casting mold (6), the trough walls (13) and the trough floor (14) of the casting trough (5) are at least partially provided with a lining layer (15) having a specific electrical resistance between $10^{-1} \Omega \cdot m$ to $10^{-6} \Omega \cdot m$ and being resistant to the heat of the molten metal (2). The lining layer (15) is inductively heated by an electrical heating device arranged around the lining layer (15).

(Figure 1)